

A SIMPLIFIED METERING PUMP

ABSTRACT OF THE DISCLOSURE

- 5 A simplified metering pump. The pump comprises: a main body (1) having a first surface (11), first means for attachment to a bottle, an inlet valve (9), an elastomeric head (5) having a second surface (13), where both surfaces (11, 13) define a pumping chamber (17), and a discharge valve (43) having a valve seat (45) and a moving member adapted to move between a first closed position and a second open position.
- 10 The moving member extends from the head (5) forming a partition (41) and is integral with the head. The first and second surfaces (11, 13) are relatively movable therebetween causing pumping of a liquid. When the moving member is in the first position and there is a reduced pressure in the pumping chamber, the reduced pressure then presses the moving member against the valve seat (45).

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(Figure 1).